

SAT Biology Syllabus

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Topics for the test

Cellular and molecular biology (12% on E and 25% on M)

☐ Cell structure and organization, mitosis, photosynthesis, cellular respiration, enzymes, biosynthesis, biological chemistry.

Ecology (25% on E and 12% on M)

Energy flow, nutrient cycles, populations, communities, ecosystems, biomes, conservation biology, biodiversity, effects of human intervention.

Genetics (12% on E and 25% on M)

Meiosis, Mendelian genetics, inheritance patterns, molecular genetics, population genetics.

Organismal biology (25% on E and 25% on M)

Structure, function, and development of organisms (with emphasis on plants and animals), animal behavior .

Evolution and diversity (25% on E and 12% on M)

Origin of life, evidence of evolution, patterns of evolution, natural selection, speciation, classification and diversity of organisms

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